

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/503,387DATE: 03/03/2000
TIME: 10:47:00

Input Set: I503387.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Busfield, S.
2 Villeval, J.
3 Jandrot-Perrus, M.
4 Vainchenker, W.
5 <120> TITLE OF INVENTION: GLYCOPROTEIN VI AND USES THEREOF
6 <130> FILE REFERENCE: 7853-178
7 <140> CURRENT APPLICATION NUMBER: US/09/503,387
8 <141> CURRENT FILING DATE: 2000-02-14
9 <150> EARLIER APPLICATION NUMBER: 09/345,468
10 <151> EARLIER FILING DATE: 1999-06-30
11 <160> NUMBER OF SEQ ID NOS: 24
12 <170> SOFTWARE: FastSEQ for Windows Version 3.0
13 <210> SEQ ID NO 1
14 <211> LENGTH: 2047
15 <212> TYPE: DNA
16 <213> ORGANISM: Homo sapiens
17 <400> SEQUENCE: 1
18 ggagtcgacc cagcggtccg cagggctgag gaaccatgtc tccatccccg accgcccctc 60
19 tctgtcttgg gctgtgtctg gggcgtgtgc cagcgagag tggaccgctc cccaagccct 120
20 cctccaggc tctgccagc tccctggtgc cctggagaa gccagtgacc ctccggtgcc 180
21 agggacctcc gggcgtggac ctgtaccgcc tggagaagct gagttccagc aggtaccagg 240
22 atcaggcagt cctcttcac cggccatga agagaagtct ggctggacgc taccgctgct 300
23 cctaccagaa cggaagcctc tggctcctgc ccagcgacca gctggagctc gttgccacgg 360
24 gagtttttgc caaacctcgc ctctcagccc agcccggccc ggcggtgtcg tcaggagggg 420
25 acgtaacct acagtgtcag actcggatg gctttgacca atttgcctc tacaaggaag 480
26 gggacctgc gccctacaag aatcccaga gatgggtacc ggctagtttc cccatcatca 540
27 cgggtgaccgc cggccacagc ggaacctacc gatgctacag cttctccagc agggacctat 600
28 acctgtggtc ggccccacgc gacccctgg agcttgtggt cacaggaacc tctgtgacct 660
29 ccagccggtt accaacagaa ccaccttct cggtagcaga attctcagaa gccaccgctg 720
30 aactgacctc ctcatcaca aacaaagtct tcacaactga gacttctagg agtatacca 780
31 ccagtccaaa ggagtcagac tctccagctg gtctgcccg ccagtactac accaagggca 840
32 acctggtccg gatatgctc ggggctgtga tctaataat cctggcgggg tttctggcag 900
33 aggactggca cagccggagg aagcgctgc ggcacagggg cagggctgtg cagaggccgc 960
34 ttcgccccct gccgccccct ccgcagacc ggaaatcaca cgggggtcag gatggaggcc 1020
35 gacaggatgt tcacagccgc gggttatgt catgaccgct gaaccccagg cacggtcgta 1080
36 tccaagggag ggatcatggc atgggaggcg actcaaagac tggcgtgtgt ggagcgtgga 1140
37 agcaggaggg cagaggctac agctgtggaa acgaggccat gctgcctct cctggtgttc 1200
38 catcaggagg ccgttcggcc agtgtctgtc tgtctgtctg cctctctgtc tgagggcacc 1260
39 ctccatttgg gatggaagga atctgtggag accccatcct cctccctgca cactgtggat 1320
40 gacatggtac cctggctgga ccacatactg gcctctttct tcaacctctc taatatgggc 1380
41 tccagacgga tctctaaggt tcccagctct cagggttgac tctgttccat cctctgtgca 1440
42 aaatcctcct gtgcttccct ttggccctct gtgctcttgt ctggttttcc ccagaaactc 1500
43 tcacctcac tccatctccc actgcggtct aacaaatctc ctttctgtct tcagaacggg 1560
44 tcttgaggc agtttgggta tgtcattcat tttccttagt gtaaaactag caggttgccc 1620

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/503,387

DATE: 03/03/2000
TIME: 10:47:00

Input Set: I503387.RAW

```

45      gcttcccttc acattagaaa acaagatcag cctgtgcaac atggtgaaac ctcactctcta      1680
46      ccaacaaaac aaaaaaacac aaaaattagc caggtgtggt ggtgcatccc tatactccca      1740
47      gcaactcggg gggctgaggt gggagaatgg cttgagcctg ggaggcagag gttgcagtga      1800
48      gctgagatca caccactgca ctctagctcg ggtgacgaag cctgaccttg tctcaaaaaa      1860
49      tacagggatg aatatgtcaa ttacctgat ttgatcatag cacgttgat acatgtactg      1920
50      caatattgct gtccacccca taaatatgta caattatgta tacattttta aaatcataaa      1980
51      aataagataa tgaaaaaaaa aaaaaaaaaa aaaaaaaggg cgggcgcgta gactagtcta      2040
52      gagaaca                                         2047

```

53 <210> SEQ ID NO 2

54 <211> LENGTH: 1017

55 <212> TYPE: DNA

56 <213> ORGANISM: Homo sapiens

57 <400> SEQUENCE: 2

```

58      atgtctccat ccccgaccgc cctcttctgt cttgggctgt gtctggggcg tgtgccagcg      60
59      cagagtggac cgctcccca ggcctccctc caggtctgct ccagctccct ggtgcccctg      120
60      gagaagccag tgacctccg gtgccaggga cctccgggag tggacctgta ccgcctggag      180
61      aagctgagtt ccagcaggta ccaggatcag gcagtcctct tcatcccgcc catgaagaga      240
62      agtctggctg gacgtaccg ctgctcctac cagaacggaa gcctctggtc cctgcccagc      300
63      gaccagctgg agctcgttgc cacgggagtt ttgccaac cctcgtctc agcccagccc      360
64      ggcccgggcg tgtcgtcagg aggggacgta accctacagt gtcagactcg gtatggcttt      420
65      gaccaatttg ctctgtacaa ggaaggggac cctgcgcctt acaagaatcc cgagagatgg      480
66      taccgggcta gtttcccat catcacggtg accgcgcgcc acagcggaac ctaccgatgc      540
67      tacagcttct ccagcaggga cccatacctg tggtcggccc ccagcgaccc cctggagctt      600
68      gtggtcacag gaacctctgt gacccccagc cggttacca cagaaccacc ttctcggta      660
69      gcagaattct cagaagccac cgctgaactg accgtctcat tcacaaacaa agtcttcaca      720
70      actgagactt ctaggagtat caccaccagt ccaaaggagt cagactctcc agctggctct      780
71      gcccgcagat actacaccaa gggcaacctg gtccggatat gcctcggggc tgtgactcta      840
72      ataatectgg cggggtttct ggcagaggac tggcacagcc ggaggaagcg cctgcggcac      900
73      aggggcaggg ctgtgcagag gccgttccg cccctgccgc cctcccgca gaccggaaa      960
74      tcacacgggg gtcaggatgg aggccgacag gatgttcaca gccgcggggt atgttca      1017

```

75 <210> SEQ ID NO 3

76 <211> LENGTH: 339

77 <212> TYPE: PRT

78 <213> ORGANISM: Homo sapiens

79 <400> SEQUENCE: 3

```

80      Met Ser Pro Ser Pro Thr Ala Leu Phe Cys Leu Gly Leu Cys Leu Gly
81      1          5          10          15
82      Arg Val Pro Ala Gln Ser Gly Pro Leu Pro Lys Pro Ser Leu Gln Ala
83      20          25          30
84      Leu Pro Ser Ser Leu Val Pro Leu Glu Lys Pro Val Thr Leu Arg Cys
85      35          40          45
86      Gln Gly Pro Pro Gly Val Asp Leu Tyr Arg Leu Glu Lys Leu Ser Ser
87      50          55          60
88      Ser Arg Tyr Gln Asp Gln Ala Val Leu Phe Ile Pro Ala Met Lys Arg
89      65          70          75          80
90      Ser Leu Ala Gly Arg Tyr Arg Cys Ser Tyr Gln Asn Gly Ser Leu Trp
91      85          90          95
92      Ser Leu Pro Ser Asp Gln Leu Glu Leu Val Ala Thr Gly Val Phe Ala
93      100          105          110
94      Lys Pro Ser Leu Ser Ala Gln Pro Gly Pro Ala Val Ser Ser Gly Gly

```

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/503,387

 DATE: 03/03/2000
 TIME: 10:47:00

Input Set: I503387.RAW

```

95          115          120          125
96  Asp Val Thr Leu Gln Cys Gln Thr Arg Tyr Gly Phe Asp Gln Phe Ala
97          130          135          140
98  Leu Tyr Lys Glu Gly Asp Pro Ala Pro Tyr Lys Asn Pro Glu Arg Trp
99  145          150          155          160
100 Tyr Arg Ala Ser Phe Pro Ile Ile Thr Val Thr Ala Ala His Ser Gly
101          165          170          175
102 Thr Tyr Arg Cys Tyr Ser Phe Ser Ser Arg Asp Pro Tyr Leu Trp Ser
103          180          185          190
104 Ala Pro Ser Asp Pro Leu Glu Leu Val Val Thr Gly Thr Ser Val Thr
105          195          200          205
106 Pro Ser Arg Leu Pro Thr Glu Pro Pro Ser Ser Val Ala Glu Phe Ser
107          210          215          220
108 Glu Ala Thr Ala Glu Leu Thr Val Ser Phe Thr Asn Lys Val Phe Thr
109 225          230          235          240
110 Thr Glu Thr Ser Arg Ser Ile Thr Thr Ser Pro Lys Glu Ser Asp Ser
111          245          250          255
112 Pro Ala Gly Pro Ala Arg Gln Tyr Tyr Thr Lys Gly Asn Leu Val Arg
113          260          265          270
114 Ile Cys Leu Gly Ala Val Ile Leu Ile Ile Leu Ala Gly Phe Leu Ala
115          275          280          285
116 Glu Asp Trp His Ser Arg Arg Lys Arg Leu Arg His Arg Gly Arg Ala
117          290          295          300
118 Val Gln Arg Pro Leu Pro Pro Leu Pro Pro Leu Pro Gln Thr Arg Lys
119 305          310          315          320
120 Ser His Gly Gly Gln Asp Gly Gly Arg Gln Asp Val His Ser Arg Gly
121          325          330          335
122  Leu Cys Ser
123 <210> SEQ ID NO 4
124 <211> LENGTH: 20
125 <212> TYPE: PRT
126 <213> ORGANISM: Homo sapiens
127 <400> SEQUENCE: 4
128  Met Ser Pro Ser Pro Thr Ala Leu Phe Cys Leu Gly Leu Cys Leu Gly
129    1          5          10          15
130  Arg Val Pro Ala
131          20
132 <210> SEQ ID NO 5
133 <211> LENGTH: 319
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
136 <400> SEQUENCE: 5
137  Gln Ser Gly Pro Leu Pro Lys Pro Ser Leu Gln Ala Leu Pro Ser Ser
138    1          5          10          15
139  Leu Val Pro Leu Glu Lys Pro Val Thr Leu Arg Cys Gln Gly Pro Pro
140          20          25          30
141  Gly Val Asp Leu Tyr Arg Leu Glu Lys Leu Ser Ser Ser Arg Tyr Gln
142          35          40          45
143  Asp Gln Ala Val Leu Phe Ile Pro Ala Met Lys Arg Ser Leu Ala Gly
144    50          55          60

```

DATE: 03/03/2000
TIME: 10:47:00

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 145 | Arg | Tyr | Arg | Cys | Ser | Tyr | Gln | Asn | Gly | Ser | Leu | Trp | Ser | Leu | Pro | Ser |
| 146 | 65 | | | | | 70 | | | | | 75 | | | | | 80 |
| 147 | Asp | Gln | Leu | Glu | Leu | Val | Ala | Thr | Gly | Val | Phe | Ala | Lys | Pro | Ser | Leu |
| 148 | | | | | 85 | | | | | 90 | | | | | 95 | |
| 149 | Ser | Ala | Gln | Pro | Gly | Pro | Ala | Val | Ser | Ser | Gly | Gly | Asp | Val | Thr | Leu |
| 150 | | | | 100 | | | | | | 105 | | | | 110 | | |
| 151 | Gln | Cys | Gln | Thr | Arg | Tyr | Gly | Phe | Asp | Gln | Phe | Ala | Leu | Tyr | Lys | Glu |
| 152 | | | 115 | | | | | 120 | | | | | 125 | | | |
| 153 | Gly | Asp | Pro | Ala | Pro | Tyr | Lys | Asn | Pro | Glu | Arg | Trp | Tyr | Arg | Ala | Ser |
| 154 | | 130 | | | | | 135 | | | | | 140 | | | | |
| 155 | Phe | Pro | Ile | Ile | Thr | Val | Thr | Ala | Ala | His | Ser | Gly | Thr | Tyr | Arg | Cys |
| 156 | 145 | | | | | 150 | | | | | 155 | | | | | 160 |
| 157 | Tyr | Ser | Phe | Ser | Ser | Arg | Asp | Pro | Tyr | Leu | Trp | Ser | Ala | Pro | Ser | Asp |
| 158 | | | | | 165 | | | | | 170 | | | | | 175 | |
| 159 | Pro | Leu | Glu | Leu | Val | Val | Thr | Gly | Thr | Ser | Val | Thr | Pro | Ser | Arg | Leu |
| 160 | | | | 180 | | | | | 185 | | | | | 190 | | |
| 161 | Pro | Thr | Glu | Pro | Pro | Ser | Ser | Val | Ala | Glu | Phe | Ser | Glu | Ala | Thr | Ala |
| 162 | | | 195 | | | | | 200 | | | | | 205 | | | |
| 163 | Glu | Leu | Thr | Val | Ser | Phe | Thr | Asn | Lys | Val | Phe | Thr | Thr | Glu | Thr | Ser |
| 164 | | 210 | | | | | 215 | | | | | 220 | | | | |
| 165 | Arg | Ser | Ile | Thr | Thr | Ser | Pro | Lys | Glu | Ser | Asp | Ser | Pro | Ala | Gly | Pro |
| 166 | 225 | | | | | 230 | | | | | 235 | | | | | 240 |
| 167 | Ala | Arg | Gln | Tyr | Tyr | Thr | Lys | Gly | Asn | Leu | Val | Arg | Ile | Cys | Leu | Gly |
| 168 | | | | | 245 | | | | | 250 | | | | | 255 | |
| 169 | Ala | Val | Ile | Leu | Ile | Ile | Leu | Ala | Gly | Phe | Leu | Ala | Glu | Asp | Trp | His |
| 170 | | | | 260 | | | | | 265 | | | | | 270 | | |
| 171 | Ser | Arg | Arg | Lys | Arg | Leu | Arg | His | Arg | Gly | Arg | Ala | Val | Gln | Arg | Pro |
| 172 | | | 275 | | | | | 280 | | | | | 285 | | | |
| 173 | Leu | Pro | Pro | Leu | Pro | Pro | Leu | Pro | Gln | Thr | Arg | Lys | Ser | His | Gly | Gly |
| 174 | | 290 | | | | | 295 | | | | | 300 | | | | |
| 175 | Gln | Asp | Gly | Gly | Arg | Gln | Asp | Val | His | Ser | Arg | Gly | Leu | Cys | Ser | |
| 176 | 305 | | | | | 310 | | | | | 315 | | | | | |

177 <210> SEQ ID NO 6

178 <211> LENGTH: 41

179 <212> TYPE: PRT

180 <213> ORGANISM: Homo sapiens

181 <400> SEQUENCE: 6

182 Cys Gln Gly Pro Pro Gly Val Asp Leu Tyr Arg Leu Glu Lys Leu Ser

| | | | | |
|-----|---|---|----|----|
| 183 | 1 | 5 | 10 | 15 |
|-----|---|---|----|----|

184 Ser Ser Arg Tyr Gln Asp Gln Ala Val Leu Phe Ile Pro Ala Met Lys

| | | | |
|-----|----|----|----|
| 185 | 20 | 25 | 30 |
|-----|----|----|----|

186 Arg Ser Leu Ala Gly Arg Tyr Arg Cys

187 35 40

188 <210> SEQ ID NO 7

```
189      <211> LENGTH: 47
```

```
190      <212> TYPE: PRT
```

191 <213> ORGANISM: Homo sapiens

192 <400> SEQUENCE: 7

193 Cys Gln Thr Arg Tyr Gly Phe Asp Gln Phe Ala Leu Tyr Lys Glu Gly

| | | | | |
|-----|---|---|----|----|
| 194 | 1 | 5 | 10 | 15 |
|-----|---|---|----|----|

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/503,387

 DATE: 03/03/2000
 TIME: 10:47:00

Input Set: I503387.RAW

```

195      Asp Pro Ala Pro Tyr Lys Asn Pro Glu Arg Trp Tyr Arg Ala Ser Phe
196                      20                      25                      30
197      Pro Ile Ile Thr Val Thr Ala Ala His Ser Gly Thr Tyr Arg Cys
198                      35                      40                      45
199      <210> SEQ ID NO 8
200      <211> LENGTH: 19
201      <212> TYPE: PRT
202      <213> ORGANISM: Homo sapiens
203      <400> SEQUENCE: 8
204      Leu Val Arg Ile Cys Leu Gly Ala Val Ile Leu Ile Ile Leu Ala Gly
205      1                      5                      10                      15
206      Phe Leu Ala
207      <210> SEQ ID NO 9
208      <211> LENGTH: 249
209      <212> TYPE: PRT
210      <213> ORGANISM: Homo sapiens
211      <400> SEQUENCE: 9
212      Gln Ser Gly Pro Leu Pro Lys Pro Ser Leu Gln Ala Leu Pro Ser Ser
213      1                      5                      10                      15
214      Leu Val Pro Leu Glu Lys Pro Val Thr Leu Arg Cys Gln Gly Pro Pro
215                      20                      25                      30
216      Gly Val Asp Leu Tyr Arg Leu Glu Lys Leu Ser Ser Ser Arg Tyr Gln
217                      35                      40                      45
218      Asp Gln Ala Val Leu Phe Ile Pro Ala Met Lys Arg Ser Leu Ala Gly
219      50                      55                      60
220      Arg Tyr Arg Cys Ser Tyr Gln Asn Gly Ser Leu Trp Ser Leu Pro Ser
221      65                      70                      75                      80
222      Asp Gln Leu Glu Leu Val Ala Thr Gly Val Phe Ala Lys Pro Ser Leu
223                      85                      90                      95
224      Ser Ala Gln Pro Gly Pro Ala Val Ser Ser Gly Gly Asp Val Thr Leu
225                      100                     105                     110
226      Gln Cys Gln Thr Arg Tyr Gly Phe Asp Gln Phe Ala Leu Tyr Lys Glu
227                      115                     120                     125
228      Gly Asp Pro Ala Pro Tyr Lys Asn Pro Glu Arg Trp Tyr Arg Ala Ser
229                      130                     135                     140
230      Phe Pro Ile Ile Thr Val Thr Ala Ala His Ser Gly Thr Tyr Arg Cys
231      145                     150                     155                     160
232      Tyr Ser Phe Ser Ser Arg Asp Pro Tyr Leu Trp Ser Ala Pro Ser Asp
233                      165                     170                     175
234      Pro Leu Glu Leu Val Val Thr Gly Thr Ser Val Thr Pro Ser Arg Leu
235                      180                     185                     190
236      Pro Thr Glu Pro Pro Ser Ser Val Ala Glu Phe Ser Glu Ala Thr Ala
237                      195                     200                     205
238      Glu Leu Thr Val Ser Phe Thr Asn Lys Val Phe Thr Thr Glu Thr Ser
239                      210                     215                     220
240      Arg Ser Ile Thr Thr Ser Pro Lys Glu Ser Asp Ser Pro Ala Gly Pro
241      225                     230                     235                     240
242      Ala Arg Gln Tyr Tyr Thr Lys Gly Asn
243                      245
244      <210> SEQ ID NO 10

```

PAGE: 6

VERIFICATION SUMMARY
PATENT APPLICATION US/09/503,387

DATE: 03/03/2000
TIME: 10:47:00

Input Set: I503387.RAW

Line ? Error/Warning

Original Text
